

II. SPECIFICATION AMENDMENTS

Please amend paragraph [0026] on page 8 as follows:

~~Fig. 1-5 show schematic illustrations of embodiments of the present invention~~ Figure 1 shows a schematic illustration of an apparatus for providing an optical signal;

Figure 2 shows a graph illustrating the function of an embodiment;

Figure 3 shows an optical signal positioned between two teeth of the comb of optical reference signals;

Figure 4 shows a schematic illustration of another embodiment; and

Figure 5 shows the respective intensities of beat signals with various beat frequencies.

Please amend paragraph [0031] on pages 9 and 10 as follows:

[0031] The comb of optical reference signals 14 and the optical signal 2 are superimposed to create at least one interference signal 20 having an actual beat frequency. The signal 20 is provided to an optical pre-selector 22 for pre-selecting the at least one interference signal 20 with a predetermined bandwidth before the at least one interference signal 20 reaches a detector 24. The detector 24 generates an electrical beat signal 28 from the interference signal 20. The detector 24 has a detection bandwidth of e.g. about 16 GHz for the e.g. 10 GHz

frequency of the master clock signal 6. The detection bandwidth of detector 24 is chosen to provide that actual beat frequencies of beat signals 20 with at least three optical reference signals 14 are within the detection bandwidth. The predetermined bandwidth of the pre-selector 22 is chosen to provide that interference signals of at least three optical reference signals 14 and the optical signal 2 are within the predetermined bandwidth of the pre-selector 22. Moreover, the filter characteristic of pre-selector 22 comprises the actual frequency of the optical signal 2 and is asymmetric with respect to the actual frequency of the optical signal 2.

Please amend the Abstract on page 21 as shown on the following page: